

**DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION** Original Supplemental Substitute PCT

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled "**CRYSTAL-GROWING FURNACE, IN PARTICULAR A VERTICAL BRIDGMAN CRYSTAL-GROWING FURNACE OR A VERTICAL GRADIENT FREEZE CRYSTAL-GROWING FURNACE HAVING A JACKET HEATER AND A METHOD OF REGULATING THE HEAT OUTPUT OF THE JACKET HEATER,**" which is described and claimed in the specification

(check one) which is attached hereto, or
 which was filed on _____, as United States Application No. _____
 _____ and with amendments through _____ (if applicable), or
 in International Application No. PCT/_____, filed _____, and as
amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above referenced specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information known by me to be material to the patentability of the claims of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code § 119 (a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) or § 365(b) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATIONS: (ENTER BELOW IF APPLICABLE)			PRIORITY CLAIMED (MARK APPROPRIATE BOX BELOW)	
APP. NUMBER	COUNTRY	DAY/MONTH/YEAR FILED	YES	NO
102 39 104.1	Germany	27 August 2002	X	

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below.

APPLICATION NUMBER	FILING DATE

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose all information known by me to be material to the patentability of the claims of this application as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NO.	FILING DATE	STATUS (MARK APPROPRIATE COLUMN BELOW)		
		PATENTED	PENDING	ABANDONED

I hereby appoint the following attorneys and/or agent(s) to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith:

23859
PATENT TRADEMARK OFFICE

Address all telephone calls to Gregory J. Kirsch at telephone no. (678) 420-9300.

Address all correspondence to

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PATENT TRADEMARK OFFICE

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor: Andreas Mühe

Inventor's signature: _____

Residence: Fallbachstrasse 1, D-63452 Hanau, Germany

Post Office Address: Same as Residence

Citizenship: Germany